Index of Claims

| Application/Control No. |
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Applicant(s)/Patent under Reexamination

10/786,093 Examiner

TOYAMA ET AL. Art Unit

Seung H. Lee

2876

| √ | Rejected |
|---|----------|
| = | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| Z | Non-Elected  |
|---|--------------|
|   | Interference |

| A | Appeal   |
|---|----------|
| o | Objected |

| Claim             | Date            |              |              |           |              |                 |                 |          | Cla      | aim   | Date   |          |           |          |          |         |        | Cla      | im       | Date     |      |       |            |           |                 |          |          |          |          |          |          |                   |
|-------------------|-----------------|--------------|--------------|-----------|--------------|-----------------|-----------------|----------|----------|-------|--|----------|-----------|----------|----------|---------|--------|----------|----------|----------|------|-------|------------|-----------|-----------------|----------|----------|----------|----------|----------|----------|-------------------|
|                   |                 | Τ            |              |           | П            |                 | $\neg T$        | Т        | $\neg$   |       |  |          |           |          |          | Т       |        |          |          |          |      |       |            | $\Box$    |                 |          |          |          |          | Т        |          |                   |
| Final<br>Original | 8/18/05         |              |              |           |              |                 |                 |          |          |       | Final  | Original |           |          | -        |         |        |          |          |          |      | Final | Original   |           |                 |          |          |          |          |          |          |                   |
| <u>r</u>          | \$              |              |              | ļ         |              |                 | - [             |          |          |       | ίĒ   | ا بيّ    |           |          |          |         |        |          |          |          |      | 這     | ,<br>Jić   |           |                 |          |          |          |          |          |          |                   |
|                   |                 |              |              |           | Ш            | oxdot           |                 |          | _        |       |  |          | Ш         | $\perp$  | $\perp$  | $\bot$  | 4_     | $\sqcup$ |          | _        |      |       |            | _         |                 | $\dashv$ | _        | _        | _        | _        | _        | _                 |
| 1                 | \               |              |              |           |              | $\sqcup$        | $\dashv$        | _        | _        |       |  | 51       | $\square$ | _        | $\perp$  | +       | -      | $\sqcup$ | $\perp$  | _        |      |       | 101        | _         | $\sqcup$        | $\dashv$ | _        | _        | _        | _        | _        | _                 |
| 2                 |                 | _            |              |           |              |                 | _               | _        | 긕        |       |  | 52       | Ш         | $\dashv$ | _        | $\bot$  | ╄      | $\vdash$ | _        | _        |      |       | 102        | _         | _               | $\dashv$ | $\dashv$ | _        | _        | -        | _        |                   |
| 3                 |                 |              | -            | _         |              | $\square$       | $\dashv$        | -        | _        |       |  | 53       | $\vdash$  |          | $\dashv$ | +       | +-     | Н        | $\dashv$ | -        |      |       | 103        |           |                 | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |          |                   |
| 4                 | _               | —            |              | _         | -            |                 |                 |          | _        |       |  | 54       | Н         | -        | +        | ╁       | ╀      | $\vdash$ |          | $\dashv$ |      |       | 104        | $\dashv$  | $\dashv$        | $\dashv$ | $\dashv$ | $\dashv$ | -+       | -+       | $\dashv$ |                   |
| 5<br>6            |                 | _            | Н            |           |              | $\dashv$        | $\dashv$        | $\dashv$ | $\dashv$ |       |  | 55<br>56 |           | $\dashv$ | +        | ╫       | +      | $\vdash$ | -+       | -        |      |       | 105<br>106 | $\dashv$  | $\dashv$        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | -+       | $\dashv$ | —                 |
| 7                 | +               |              | -            | $\dot{-}$ |              | $\dashv$        | $\dashv$        | $\dashv$ |          |       |  | 57       | Н         | -        | $\dashv$ | +       | ╁      | $\vdash$ | +        |          |      |       | 107        | $\dashv$  |                 | $\dashv$ | -        | $\dashv$ | -        | +        | $\dashv$ |                   |
| 8                 |                 | +            |              | -         | -            | $\dashv$        | $\dashv$        | $\dashv$ | ⊣        |       |  | 58       | Н         | -        | $\dashv$ | +       | +      | +        | $\dashv$ | $\dashv$ |      |       | 108        | $\vdash$  | $\dashv$        | $\dashv$ | _        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |                   |
| 9                 |                 | +            |              |           |              | $\dashv$        | _               | 十        | _        |       |  | 59       |           | $\dashv$ | $\dashv$ | ╁       | +      | +        | $\dashv$ | $\dashv$ |      |       | 109        |           | $\dashv$        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | -        |                   |
| 10                |                 | +            | -            | $\neg$    | $\neg$       |                 | T               | -        |          |       |  | 60       |           | _        |          | $\top$  | T      |          | T        | ⊣:       |      |       | 110        |           |                 |          |          |          | $\neg$   |          | 寸        | _                 |
| 11                |                 | +            |              |           | -            |                 |                 |          | $\neg$   |       |  | 61       | П         | o        | $\neg$   | $\top$  | $\top$ | $\Box$   | 十        | _        |      |       | 111        |           | $\neg$          |          |          | 一        | $\neg$   | $\dashv$ | 7        |                   |
| 12                |                 | $\top$       |              |           |              | П               |                 | $\dashv$ | ┪        |       |  | 62       | П         | $\Box$   | $\top$   | $\top$  | $\top$ | П        | 寸        |          |      |       | 112        |           |                 | 7        |          |          |          | 7        | T        |                   |
| 13                |                 | $\top$       |              |           |              | П               |                 | $\dashv$ | ╗        |       |  | 63       | П         | $\Box$   | 1        | $\top$  | Τ      | П        |          |          |      |       | 113        |           |                 |          |          |          |          |          |          | _                 |
| 14                |                 | T            |              |           |              | П               |                 |          | ╗        |       |  | 64       |           |          |          |         | $I^-$  |          |          |          |      |       | 114        |           |                 |          |          |          |          |          |          |                   |
| 15                | 5               | $oxed{oxed}$ |              |           |              |                 |                 |          |          |       |  | 65       |           |          |          | I       |        |          |          |          |      |       | 115        |           |                 |          |          |          |          |          |          |                   |
| 16                | 3               | $\prod$      |              |           |              |                 |                 |          |          |       |  | 66       |           |          |          |         |        |          | $\Box$   |          |      |       | 116        |           |                 | $\Box$   | $\Box$   |          |          | $\Box$   |          | _                 |
| 17                |                 |              |              |           |              |                 |                 |          |          |       |  | 67       |           |          | $\bot$   | $\perp$ | 1_     | $\Box$   |          |          |      |       | 117        |           | Ш               |          |          | _        | ·        | ļ        |          |                   |
| 18                |                 | $\perp$      |              |           | $\Box$       | Ш               | $\Box$          |          | _        |       |  | 68       | Щ         |          | $\perp$  |         | 4_     | Ш        | $\perp$  | _[:      |      |       | 118        |           | <u> </u>        | _        |          |          |          |          | _        | _                 |
| 19                |                 |              | $oxed{oxed}$ |           |              | Щ               |                 | ļ        |          |       |  | 69       | $ \cdot $ |          | _        |         | $\bot$ | $\sqcup$ | $\dashv$ | _        |      |       | 119        | Щ         | $\sqcup$        | $\dashv$ |          | _        |          |          | _        | _                 |
| 20                |                 | ┷            |              |           | L_           | Щ               |                 | ļ        | _        |       |  | 70       | Щ         | $\sqcup$ | _        | - -     | +      | $\perp$  | $\perp$  | 4        |      |       | 120        |           | $\sqcup$        |          |          |          | _        |          | 4        | _                 |
| 21                |                 |              | Щ            |           | Щ            | $\sqcup$        | $\square$       | $\dashv$ | ᅴ        |       |  | 71       | Щ         | $\sqcup$ | +        | +       | +      | Н        | $\dashv$ | 4        |      |       | 121        | $\square$ |                 |          |          |          | _        | -        | _        | —                 |
| 22                |                 | +            | $\vdash$     |           | Ш            | $\vdash \vdash$ |                 | $\dashv$ | _        |       |  | 72       | Н         | -        | +        | +       | +      | $\vdash$ | $\dashv$ |          |      |       | 122        |           | $\vdash \vdash$ | $\dashv$ |          | $\dashv$ | -        | $\dashv$ | -        |                   |
| 23                |                 | +            | $\vdash$     |           |              | $\vdash \vdash$ | $\dashv$        |          | $\dashv$ |       |  | 73       | $\vdash$  | $\vdash$ |          | +       | +      | $\vdash$ | -        | -        |      |       | 123<br>124 |           | $\vdash \vdash$ | $\dashv$ | $\dashv$ | _        | $\dashv$ | +        | $\dashv$ | _                 |
| 24<br>25          |                 | +            | Н            |           | $\vdash$     | ┝╌┤             |                 |          | -        |       |  | 74<br>75 | Н         | -        | +        | +       | +      | $\vdash$ | -+       |          |      |       | 125        |           | $\vdash$        | $\dashv$ |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | _                 |
| 26                |                 | +            | H            |           | $\vdash$     | $\vdash$        |                 |          | $\dashv$ |       |  | 76       | $\vdash$  | $\vdash$ | +        | +       | +      | Н        | $\dashv$ | [        |      | -     | 126        |           | $\vdash$        | -        |          |          | $\dashv$ | $\dashv$ | $\dashv$ |                   |
| 27                |                 | +            | $\vdash$     | -         | $\vdash$     | $\vdash$        | $\vdash$        | $\dashv$ | -        |       |  | 77       | $\vdash$  |          | +        | +       | +-     | $\vdash$ | $\dashv$ | -        |      |       | 127        |           | $\vdash$        | $\dashv$ |          | $\dashv$ | $\dashv$ | $\dashv$ | ᅱ        |                   |
| 28                |                 | +            | $\vdash$     |           | $\vdash$     |                 |                 | -        | -        |       |  | 78       | $\vdash$  | $\vdash$ | +        | +       | +      | $\vdash$ | $\dashv$ | $\dashv$ |      |       | 128        |           | $\vdash$        | $\dashv$ |          |          | $\dashv$ | $\dashv$ | $\dashv$ |                   |
| 29                |                 | +            | $\vdash$     |           |              | $\vdash$        | $\vdash$        | $\dashv$ | -        |       | -  | 79       | $\vdash$  | $\vdash$ | $\dashv$ | +       | +      | +        | _        | $\dashv$ |      |       | 129        |           | $\vdash$        | $\dashv$ | _        | $\dashv$ | $\neg$   | $\dashv$ | $\dashv$ | _                 |
| 30                |                 | +            | $\vdash$     | _         | $\vdash$     | H               | -               | $\dashv$ | $\dashv$ |       | ļ  | 80       | Н         | $\vdash$ | $\dashv$ | +       | +      | Н        |          |          |      |       | 130        |           | $\vdash \vdash$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | -        | _                 |
| 31                |                 | 十            | Н            | _         | $\vdash$     | H               | $\dashv$        | $\dashv$ |          |       | <b></b>  | 81       | Н         | $\vdash$ | $\dashv$ | $\top$  | +      | T        | $\vdash$ | -        |      |       | 131        |           | $\sqcap$        | ᅥ        | ᅥ        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |                   |
| 32                |                 | +            | Н            | П         |              | H               |                 | $\dashv$ |          |       |  | 82       | П         | $\vdash$ | 十        | ╅       | 1      | $\sqcap$ | $\Box$   | <b>-</b> |      |       | 132        |           | $\Box$          | ┪        | $\neg$   |          |          | 寸        |          | _                 |
| 33                |                 | $\top$       |              |           | П            | П               | $\neg$          | $\dashv$ |          |       | ·  | 83       | П         | $\Box$   | $\neg$   | 1       | T      |          |          |          |      |       | 133        |           |                 | ヿ        |          |          |          | 寸        |          |                   |
| 34                |                 | 1            | П            |           | П            |                 | $\Box$          |          |          |       |  | 84       |           |          |          | $\top$  |        |          |          |          |      |       | 134        |           |                 |          |          |          |          | _        |          | Ē                 |
| 35                | 5               |              |              |           |              |                 |                 |          |          |       |  | 85       |           |          |          |         |        |          |          |          |      |       | 135        |           |                 |          |          |          |          |          |          |                   |
| 36                |                 |              |              |           |              |                 |                 |          |          |       |  | 86       |           |          |          |         |        |          |          |          |      |       | 136        |           | $\Box$          |          |          |          | $\Box$   |          | $\Box$   |                   |
| 37                |                 |              |              |           |              |                 |                 | $\Box$   |          |       |  | 87       |           |          |          | $\prod$ | Ľ      |          | П        | _]       |      |       | 137        |           |                 | $\Box$   |          |          | $\Box$   | $\Box$   |          | $\overline{\Box}$ |
| 38                |                 |              |              |           |              | $\square$       |                 |          |          |       |  | 88       | Ш         |          |          |         | 4      | Ш        | $\Box$   | _        |      |       | 138        | Ш         | Ш               |          | ļ        |          |          | _        | _        | <u>_</u>          |
| 39                |                 | 4            | Щ            |           | $\sqcup$     | Ш               | $\square$       |          |          |       | <u> </u>   | 89       | Ш         | $\sqcup$ | _        | 4       | $\bot$ | 1.1      | $\dashv$ | _        |      |       | 139        |           | $\sqcup$        | _        | _        | _        | _        | _        | _        | _                 |
| 40                |                 | +            | <u> </u>     |           | $\vdash$     | $\square$       | $\sqcup$        | $\dashv$ |          |       | <u> </u>   | 90       | $\sqcup$  | $\vdash$ | -        | $\bot$  | +      | $\vdash$ | $\dashv$ |          |      |       | 140        | الل       | $\vdash \vdash$ | _        | $\dashv$ | _        |          |          | -        |                   |
| 41                |                 | 4            | $\vdash$     |           | _            | $\vdash \vdash$ | $\square$       | _        | 4        |       |  | 91       | -         | $\vdash$ | -        | +       | +      | $\vdash$ |          |          |      |       | 141        | <u> </u>  | $\vdash \vdash$ | -        |          | _        |          |          |          | _                 |
| 42                |                 | +            | <u> </u>     | _         | $\vdash$     |                 | $\vdash$        |          | _        |       | <u> </u>   | 92       | $\vdash$  | $\vdash$ | +        | +       | +      | -        |          |          |      |       | 142        | $\vdash$  | $\vdash \vdash$ | $\dashv$ | $\dashv$ | _        | $\dashv$ | $\dashv$ |          | _                 |
| 43                |                 | +            | -            | _         | <del> </del> | $\vdash \vdash$ | $\vdash \vdash$ | $\dashv$ | -        |       | <u> </u>   | 93<br>94 | $\vdash$  | $\vdash$ | +        | +       | +-     | +-       | -        |          |      |       | 143<br>144 | H         | $\vdash \vdash$ | -        | $\dashv$ | $\dashv$ | -        |          | $\dashv$ | _                 |
| 44                | +               | +-           | ┝╌           | <u> </u>  | <del> </del> | $\vdash \vdash$ | H               | $\dashv$ | -        |       |  | 95       | -         |          | +        | +       | ╁      | $\vdash$ | $\vdash$ | $\dashv$ |      |       | 145        | Н         | $\vdash$        |          |          |          | -        | $\dashv$ |          | _                 |
| 45                |                 | +-           | -            | _         | $\vdash$     | $\vdash \vdash$ | H               |          |          |       | <del>                                     </del> | 96       | -         |          | +        | +       | +      | +-       | $\vdash$ |          |      |       | 145        | $\vdash$  | $\vdash \vdash$ | $\dashv$ |          |          | $\dashv$ | $\dashv$ | $\dashv$ | _                 |
| 47                | <del>,</del>  - | +            | <u> </u>     | -         | $\vdash$     | $\vdash$        | $\vdash$        | $\dashv$ |          |       | <del> </del>                                     | 97       | -         | $\vdash$ | +        | +       | +      | +        | $\vdash$ | $\dashv$ |      |       | 147        | $\vdash$  | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |          |                   |
| 48                |                 | +            | $\vdash$     | _         | $\vdash$     | $\vdash$        | $\vdash \vdash$ | -        | -        |       |  | 98       | $\vdash$  | $\vdash$ | +        | +       | ╁      | +        | $\dashv$ | $\dashv$ |      | _     | 148        |           | $\vdash$        | $\dashv$ | -        | $\dashv$ | $\dashv$ | +        | ᅱ        | _                 |
| 49                | <del>-</del>    | +            | $\vdash$     | Н         | H            |                 | $\vdash$        |          | -        |       | <u> </u>   | 99       | 1         | $\vdash$ | $\dashv$ | 十       | +      |          | $\vdash$ | -1       |      |       | 149        | _         | $\vdash \vdash$ | _        | $\dashv$ | $\dashv$ |          | $\dashv$ | $\dashv$ | _                 |
| <u>1</u> 44       |                 |              |              |           |              |                 | _1              |          |          | ::::: |  | 100      |           | _        |          |         |        | 1        |          |          | :::: |       | 150        | -         | ┅               | _        | _        |          |          | _        |          |                   |